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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|  |                 |             |    |
|--|-----------------|-------------|----|
| Attorney Docket No.                            | SJO920030069US1 | Total Pages | 41 |
| First Named Inventor or Application Identifier |                 |             |    |
| Ronald E. Bretschneider                        |                 |             |    |
| Express Mail Label No.                         | ER509035164US   |             |    |

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

- ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
- ☒ Specification (Total Pages) 27  
(Preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Application
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) (Total Pages) 10
- Oath or Declaration (Total Pages) 4
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Incorporation by Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer copy)
  - ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Small Entity ☐ Statement filed in prior application, Status still proper and desired
- ☐ Certified Copy of Priority Document(s)  
if foreign priority is claimed
- ☒ Other: Express Mail Certificate

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

## 18. CORRESPONDENCE ADDRESS

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Assignee Name: INTERNATIONAL BUSINESS MACHINES CORPORATION  
Assignee Residence: Armonk, New York

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|   |                          |                         |                 |
|---|--------------------------|-------------------------|-----------------|
| <h1 style="margin: 0;">FEE TRANSMITTAL</h1> <p style="margin: 10px 0;">Note: Effective October 1, 2001.<br/>Patent fees are subject to annual revision.</p> | <b>Complete If Known</b> |                         |                 |
|   | Application Number       | Not Available           |                 |
|   | Filing Date              | April 14, 2004          |                 |
|   | First Named Inventor     | Ronald E. Bretschneider |                 |
|   | Group Art Unit           |                         |                 |
|   | Examiner Name            |                         |                 |
| TOTAL AMOUNT OF PAYMENT   | \$ 1122                  | Attorney Docket Number  | SJO920030069US1 |

| <h3 style="text-align: center;">METHOD OF PAYMENT (check one)</h3> <p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <u>09-0466</u></p> <p>Deposit Account Name: <u>IBM CORPORATION</u></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17      <input type="checkbox"/> Charge the Issue Fee In 37 CFR at the Mailing of the Notice of Allowance</p> <p>2. <input type="checkbox"/> Payment Enclosed:</p> <p style="padding-left: 40px;"><input type="checkbox"/> Check    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p> | <h3 style="text-align: center;">FEE CALCULATION (continued)</h3> <h4>3. ADDITIONAL FEES</h4> <table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>2053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2010</td><td>2255</td><td>1005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - intentional</td><td></td></tr> <tr><td>1453</td><td>1330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1330</td><td>2501</td><td>665</td><td>Utility issue fee</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>1809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> | Large Entity |          | Small Entity   |          | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |  | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |  | 1053 | 130 | 2053 | 130 | Non-English specification |  | 1812 | 2520 | 1812 | 2520 | For filing a request for reexamination |  | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |  | 1805 | 1840* | 1805 | 1840* | Requesting publication of SIR after Examiner action |  | 1251 | 110 | 2251 | 55 | Extension for reply within first month |  | 1252 | 420 | 2252 | 210 | Extension for reply within second month |  | 1253 | 950 | 2253 | 475 | Extension for reply within third month |  | 1254 | 1480 | 2254 | 740 | Extension for reply within fourth month |  | 1255 | 2010 | 2255 | 1005 | Extension for reply within fifth month |  | 1401 | 330 | 2401 | 165 | Notice of Appeal |  | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |  | 1403 | 290 | 2403 | 145 | Request for oral hearing |  | 1451 | 1510 | 1451 | 1510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - intentional |  | 1453 | 1330 | 2453 | 665 | Petition to revive - unintentional |  | 1501 | 1330 | 2501 | 665 | Utility issue fee |  | 1502 | 480 | 2502 | 240 | Design issue fee |  | 1503 | 640 | 2503 | 320 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Petitions related to provisional applications |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |  | 1809 | 770 | 1809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |  |
|---|---|--------------|----------|--|----------|-----------------|----------|----------|----------|----------|----------|------|-----|------|----|-------------------------------------|--|------|----|------|----|--|--|------|-----|------|-----|---------------------------|--|------|------|------|------|--|--|------|------|------|------|--|--|------|-------|------|-------|---|--|------|-----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|------|------|------|-----|---|--|------|------|------|------|--|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--|--|------|-----|------|-----|--------------------------|--|------|------|------|------|---|--|------|-----|------|----|----------------------------------|--|------|------|------|-----|------------------------------------|--|------|------|------|-----|-------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|---|--|------|-----|------|-----|---|--|------|----|------|----|--|--|------|-----|------|-----|---|--|------|-----|------|-----|--|--|
| Large Entity  |   | Small Entity |          | Fee Description  | Fee Paid |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| Fee Code  | Fee (\$)  | Fee Code     | Fee (\$) |  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1051  | 130   | 2051         | 65       | Surcharge - late filing fee or oath  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1052  | 50  | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1053  | 130   | 2053         | 130      | Non-English specification  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1812  | 2520  | 1812         | 2520     | For filing a request for reexamination                                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1804  | 920*  | 1804         | 920*     | Requesting publication of SIR prior to Examiner action                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1805  | 1840*   | 1805         | 1840*    | Requesting publication of SIR after Examiner action                        |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1251  | 110   | 2251         | 55       | Extension for reply within first month                                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1252  | 420   | 2252         | 210      | Extension for reply within second month                                    |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1253  | 950   | 2253         | 475      | Extension for reply within third month                                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1254  | 1480  | 2254         | 740      | Extension for reply within fourth month                                    |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1255  | 2010  | 2255         | 1005     | Extension for reply within fifth month                                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1401  | 330   | 2401         | 165      | Notice of Appeal   |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1402  | 330   | 2402         | 165      | Filing a brief in support of an appeal                                     |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1403  | 290   | 2403         | 145      | Request for oral hearing   |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1451  | 1510  | 1451         | 1510     | Petition to institute a public use proceeding                              |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1452  | 110   | 2452         | 55       | Petition to revive - intentional   |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1453  | 1330  | 2453         | 665      | Petition to revive - unintentional   |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1501  | 1330  | 2501         | 665      | Utility issue fee  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1502  | 480   | 2502         | 240      | Design issue fee   |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1503  | 640   | 2503         | 320      | Plant issue fee  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1460  | 130   | 1460         | 130      | Petitions to the Commissioner  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1807  | 50  | 1807         | 50       | Petitions related to provisional applications                              |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1806  | 180   | 1806         | 180      | Submission of Information Disclosure Stmt                                  |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 8021  | 40  | 8021         | 40       | Recording each patent assignment per property (times number of properties) |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1809  | 770   | 1809         | 385      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |
| 1810  | 770   | 2810         | 385      | For each additional invention to be examined (37 CFR 1.129(b))             |          |                 |          |          |          |          |          |      |     |      |    |                                     |  |      |    |      |    |  |  |      |     |      |     |                           |  |      |      |      |      |  |  |      |      |      |      |  |  |      |       |      |       |   |  |      |     |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |      |      |      |     |   |  |      |      |      |      |  |  |      |     |      |     |                  |  |      |     |      |     |  |  |      |     |      |     |                          |  |      |      |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |  |      |     |      |     |   |  |      |     |      |     |  |  |

| <h3 style="text-align: center;">FEE CALCULATION</h3> <h4>1. FILING FEE</h4> <table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (1)</b></td> <td><b>\$ 770</b></td> </tr> </tbody> </table> <h4>2. CLAIMS</h4> <table border="1" style="width: 100%;"> <thead> <tr> <th>Total Claims</th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>-20 = 10</td> <td>x 18 = 180</td> <td></td> </tr> <tr> <td>Ind. Claims 5</td> <td>-3 = 2</td> <td>x 86 = 172</td> <td></td> </tr> <tr> <td>Multiple Dep. Claims</td> <td>0</td> <td>x 290 = 0</td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>SUBTOTAL (2)</b></td> <td><b>\$ 352</b></td> </tr> </tbody> </table> | Large Entity |                | Small Entity |                                   | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001 | 770 | 2001 | 385 | Utility filing fee | 770 | 1002 | 340 | 2002 | 170 | Design filing fee |  | 1003 | 530 | 2003 | 265 | Plant filing fee |  | 1004 | 770 | 2004 | 385 | Reissue filing fee |  | 1005 | 160 | 2005 | 80 | Provisional filing fee |  | <b>SUBTOTAL (1)</b> |  |  |  |  | <b>\$ 770</b> | Total Claims | Extra | Fee from below | Fee Paid | 30 | -20 = 10 | x 18 = 180 |  | Ind. Claims 5 | -3 = 2 | x 86 = 172 |  | Multiple Dep. Claims | 0 | x 290 = 0 |  | Large Entity |  | Small Entity |  | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1202 | 18 | 2202 | 9 | Claims in excess of 20 |  | 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |  | 1203 | 290 | 2203 | 145 | Multiple dependent claim |  | <b>SUBTOTAL (2)</b> |  |  |  |  | <b>\$ 352</b> | <p>*Reduced by Basic Filing Fee</p> <p style="text-align: right;"><b>SUBTOTAL (3)</b>      <b>\$ 0</b></p> |
|--|--------------|----------------|--------------|-----------------------------------|-----------------|----------|----------|----------|----------|----------|------|-----|------|-----|--------------------|-----|------|-----|------|-----|-------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|--------------------|--|------|-----|------|----|------------------------|--|---------------------|--|--|--|--|---------------|--------------|-------|----------------|----------|----|----------|------------|--|---------------|--------|------------|--|----------------------|---|-----------|--|--------------|--|--------------|--|-----------------|----------|----------|----------|----------|----------|------|----|------|---|------------------------|--|------|----|------|----|-----------------------------------|--|------|-----|------|-----|--------------------------|--|---------------------|--|--|--|--|---------------|--|
| Large Entity   |              | Small Entity   |              | Fee Description                   |                 |          | Fee Paid |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Fee Code   | Fee (\$)     | Fee Code       | Fee (\$)     |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1001   | 770          | 2001           | 385          | Utility filing fee                | 770             |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1002   | 340          | 2002           | 170          | Design filing fee                 |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1003   | 530          | 2003           | 265          | Plant filing fee                  |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1004   | 770          | 2004           | 385          | Reissue filing fee                |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1005   | 160          | 2005           | 80           | Provisional filing fee            |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| <b>SUBTOTAL (1)</b>  |              |                |              |                                   | <b>\$ 770</b>   |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Total Claims   | Extra        | Fee from below | Fee Paid     |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 30   | -20 = 10     | x 18 = 180     |              |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Ind. Claims 5  | -3 = 2       | x 86 = 172     |              |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Multiple Dep. Claims   | 0            | x 290 = 0      |              |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Large Entity   |              | Small Entity   |              | Fee Description                   | Fee Paid        |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| Fee Code   | Fee (\$)     | Fee Code       | Fee (\$)     |                                   |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1202   | 18           | 2202           | 9            | Claims in excess of 20            |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1201   | 86           | 2201           | 43           | Independent claims in excess of 3 |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| 1203   | 290          | 2203           | 145          | Multiple dependent claim          |                 |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |
| <b>SUBTOTAL (2)</b>  |              |                |              |                                   | <b>\$ 352</b>   |          |          |          |          |          |      |     |      |     |                    |     |      |     |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                    |  |      |     |      |    |                        |  |                     |  |  |  |  |               |              |       |                |          |    |          |            |  |               |        |            |  |                      |   |           |  |              |  |              |  |                 |          |          |          |          |          |      |    |      |   |                        |  |      |    |      |    |                                   |  |      |     |      |     |                          |  |                     |  |  |  |  |               |  |

|                       |  |   |              |                                 |        |
|-----------------------|--|---|--------------|---------------------------------|--------|
| <b>SUBMITTED BY</b>   |  |   |              | <b>Complete (if applicable)</b> |        |
| Typed or Printed Name |  | Brian C. Kunzler  |              | Reg. Number                     | 38,527 |
| Signature             |  |  |              | Deposit Account User ID         |        |
|                       |  | Date  | Apr 14, 2004 |                                 |        |

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Date of Deposit: April 14, 2004

I hereby certify that this patent application in the name of Ronald E. Bretschneider, Marc K. Duquette, Stuart W. Edwards, Ruth L. Ferziger, Peter V. Gibson, and Lyle L. Merithew Jr. for APPARATUS, SYSTEM, AND METHOD FOR TRANSACTIONAL PEER RECOVERY IN A DATA SHARING CLUSTERING COMPUTER SYSTEM, together with the drawings, a Declaration, Power of Attorney, and Petition, Information Disclosure Statement, PTO Form 1449, and Copies of Cited References are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,



Brian C. Kunzler  
Reg. No. 38,527  
Attorney for Applicant

Date: April 14, 2004

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